

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Canceled)
2. (Currently Amended) The method of claim 24 ~~[[1]]~~ wherein the electrokinetic chromatography is capillary electrophoresis.
3. (Currently Amended) The method of claim 24 ~~[[1]]~~ wherein the sample comprises a chemical compound library.
4. (Previously Presented) The method of claim 3 wherein the chemical compound library is a combinatorial library.

Claims 5-10. (Canceled)

11. (Currently Amended) The method of claim 24 ~~[[1]]~~ wherein the probe is selected from the group consisting of protein and nucleic acid.
12. (Currently Amended) The method of claim 24 ~~[[1]]~~ wherein the probe has a molecular weight of less than about 10,000 daltons.

Claims 13-15. (Canceled)

16. (Currently Amended) The method of claim 24 ~~[[1]]~~ wherein the fluorophore is fluorescein.

Claims 17-23. (Canceled)

24. (Currently Amended) A method for determining the binding affinity and/or stoichiometry of a binding complex between a binding factor and a probe, comprising:
- (a) contacting a sample comprising a binding factor with a probe comprising a fluorophore, wherein the probe specifically binds to the binding factor forming a binding complex;
 - (b) separating the binding complex from unbound probe by electrokinetic chromatography and measuring the electrophoretic mobility of the complex to determine the change in electrophoretic mobility of the complex in comparison to unbound probe; and
 - (c) ~~concurrent with, or subsequent to, part (b): (i) determining~~ comparing the laser-induced fluorescence polarization of the binding complex ~~[[;~~ (ii) determining]] with the laser-induced fluorescence polarization of the unbound probe; ~~and (iii) comparing the result obtained in (i) with the result obtained in (ii), wherein the binding complex exhibits increased polarization in comparison to unbound probe thereby allowing detection of the binding complex; and~~
 - (d) correlating the result obtained in (b) with the result obtained in (c) and determining binding affinity and/or stoichiometry between the probe and the binding factor.